

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO 50370-60409CON	Sheet 1 of 11 SERIAL NO. N-t Assigned 10/729,576
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Ostanin. Kirill	
FILING DATE December 1, 2003		GROUP 1646	

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RLi	A1	4,948,874	08/90	Kronvall et al.	350	350	
RLi	A2	5,096,815	03/92	Ladner et al.	435	69.1	
RLi	A3	5,283,173	02/94	Fields et al.	435	6	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RLi	A4	WO 88/10308	12/88	PCT				
RLi	A5	WO 91/12273	08/91	PCT				
RLi	A8	WO 92/05244	04/92	PCT				

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RLi	A7	Akada, R. et al. "Genetic Relationships Between the G Protein $\beta\gamma$ Complex, Ste5p, Ste20p and Cdc42p: Investigation of Effector Roles in the Yeast Pheromone Response Pathway," <i>Genetics</i> 143:103-117 (1996)
	A8	Alison, Malcolm R. et al. "Growth factors and growth factor receptors," <i>Brit. J. of Hosp. Med.</i> 49(11):774-88 (1993)
	A9	Altieri, Dario C. "Proteases and protease receptors in modulation of leukocyte effector functions," <i>J. of Leukocyte Biol.</i> 58:120-27 (1995)
	A10	Artemyev, Nikolai O. et al. "Sites of Interaction between Rod G-Protein α -Subunit and cGMP-phosphodiesterase γ -Subunit," <i>J. Biol. Chem.</i> 267(35):25067-72 (1992)
	A11	Awramik, S. M. "New fossil finds in old rocks," <i>Nature</i> 319:446-47 (1986)
	A12	Belka, C. et al. "The role of tyrosine kinases and their substrates in signal transmission of hematopoietic growth factors: a short review," <i>Leukemia</i> 9:754-61 (1995)
	A13	Bender, Alan and Sprague, George F. Jr. "Pheromones and Pheromone Receptors Are the Primary Determinants of Mating Specificity in the Yeast <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 121:463-76 (1989)
	A14	Bimbaumer, Lutz "Transduction of receptor signal into modulation of effector activity by G proteins: the first 20 years or so..." <i>FASEB Journal</i> 4:3178-88 (1990)
	A15	Blinder, Dmitry et al. "Constitutive Mutants in the Yeast Pheromone Response: Ordered function of the Gene Products," <i>Cell</i> 56:479-486 (1989)
	A16	Brill, Julie A. et al. "A Role for Autophosphorylation Revealed by Activated Alleles of <i>FUS3</i> , the Yeast MAP Kinase Homolog," <i>Molecular Biology of the Cell</i> 5:297-312 (1994)
	A17	Brugarolas, James et al. "Radiation-induced cell cycle arrest compromised by p21 deficiency," <i>Nature</i> 377:522-57 (1995)
RLi	A18	Burack, W. Richard et al. "The Activating Dual Phosphorylation of MAPK by MEK Is Nonprocessive," <i>Biochemistry</i> 36(20):5929-5933 (1997)
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Sheet 2 of 11

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO 50370-60409CON SERIAL NO. Not Assign d 10/29/96 APPLICANT Ostanin, Kirill FILING DATE December 1, 2003 GROUP 1646
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RLi	B1	5,401,629	03/95	Harpold et al.	435	6	/
RLi	B2	5,436,128	07/95	Harpold et al.	435	6	
RLi	B3	5,468,614	11/95	Fields et al.	435	6	

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							YES	NO
RLi	B4	WO 92/08740	05/92	PCT				
RLi	B5	WO 93/10230	05/93	PCT				
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	B8	Chambers, D. A. et al. "Neuroimmune Modulation: Signal Transduction and Catecholamines," <i>Neurochem. Int.</i> 22(2):95-110 (1993)
	B9	Chan, Russell K. and Otte, Carol A. "Isolation and Genetic Analysis of <i>Saccharomyces cerevisiae</i> Mutants Supersensitive to G1 Arrest by a Factor and α Factor," <i>Molecular and Cellular Biol.</i> 2(1):11-20 (1982)
	B10	Chang, Fred and Herskowitz, Ira "Identification of a Gene Necessary for Cell Cycle Arrest by a Negative Growth Factor of Yeast: FAR1 is an Inhibitor of a G1 Cyclin, CLN2," <i>Cell</i> 63:999-1011 (1990)
	B11	Chien, Cheng-Ting, et al. "The two-hybrid system: A method to identify and clone genes for proteins that interact with a protein of interest," <i>Proc. Natl. Acad. Sci. USA</i> 88:9578-82 (1991)
	B12	Clark, Karen L. et al. "Interactions among the Subunits of the G-protein Involved in <i>Saccharomyces cerevisiae</i> Mating," <i>Molecular and Cellular Biol.</i> 13(1):1-8 (1993)
	B13	Cole, Gary M. et al. "Stoichiometry of G Protein Subunits Affects the <i>Saccharomyces cerevisiae</i> Mating Pheromone Signal Transduction Pathway," <i>Molecular and Cellular Biology</i> 10(2):510-517 (1990)
	B14	Coleman, David E. et al. "Structures of Active Conformation of G_{i1} and the Mechanism of GTP Hydrolysis," <i>Science</i> 265:1405-12 (1994)
	B15	Conklin, Bruce R. et al. "Substitution of three amino acids switches receptor specificity of $G_{\alpha q}$ to that of G_{i1} ," <i>Nature</i> 363:274-76 (1993)
	B16	Cwirla, Steven E. et al. "Peptides on phage: A vast library of peptides for identifying ligands," <i>Proc. Natl. Acad. Sci. USA</i> 87:6378-82 (1990)
	B17	Devlin, James J. et al. "Random Peptide Libraries: A Source of Specific Protein Binding Molecules," <i>Science</i> 249:404-6 (1990)
RLi	B18	Dietzel, Christine and Kurjan, Janet "The Yeast SCG1 Gene: A $G\alpha$ -like Protein Implicated in the α - and α -Factor Response Pathway," <i>Cell</i> 50:1001-10 (1987)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RLi	C1	5,580,736	12/96	Brent et al.	435	6	
RLi	C2	5,691,188	11/97	Pausch et al.	435	225.1	

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							YES	NO
RLi	C3	WO 94/23025	10/94	PCT				
	C4	WO 95/30012	11/95	PCT				
	C5	WO 97/11159	03/97	PCT				
RLi	C6	WO 98/13513	04/98	PCT				

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RLi	C7	Dmochowska, Aleksandra et al. "Yeast <i>KEX1</i> Gene Encodes a Putative Protease with a Carboxypeptidase B-like Function Involved in Killer Toxin and α -Factor Precursor Processing," <i>Cell</i> 50:573-84 (1987)
	C8	Dolan, J. W. et al. "Overproduction of the yeast STE12 protein leads to constitutive transcriptional induction," <i>Genes & Development</i> 4(4):492-502 (1990)
	C9	Dubois, Patrice M. et al. "Role of the transmembrane and cytoplasmic domains of surface IgM in endocytosis and signal transduction," <i>Eur. J. Immunol.</i> 22:851-57 (1992)
	C10	Erickson, Deborah "Intercepted Messages: New biotechnology drugs target intracellular communication," <i>Scientific American</i> 267(5):122-23 (1992)
	C11	Etienne, Gilles et al. "A Screening Method for Antifungal Substances Using <i>Saccharomyces cerevisiae</i> Strains Resistant to Polyene Macrolides," <i>J. of Antibiotics</i> 43(2):199-206 (1990)
	C12	Fasullo, Michael T. and Davis, Ronald W. "Direction of Chromosome Rearrangements in <i>Saccharomyces cerevisiae</i> by Use of <i>his3</i> Recombination Substrates," <i>Molecular and Cellular Biol.</i> 8(10):4370-80 (1988)
	C13	Ferrell, James E. Jr. et al. "The Biochemical Basis of an All-or-None Cell Fate Switch in <i>Xenopus</i> Oocytes," <i>Science</i> 280:895-898 (1998)
	C14	Ferrell, James E. Jr. "Tripping the switch fantastic: how a protein kinase cascade can convert graded inputs into switch-like outputs," <i>Trends In Biochem. Sci.</i> 21(12):460-6 (1996)
	C15	Fields, Stanley and Song Ok-kyu "A novel genetic system to detect protein-protein interactions," <i>Nature</i> 340:245-46 (1989)
	C16	Franke, Arthur E. et al. "Human C5a Anaphylatoxin: Gene Synthesis, Expression, and Recovery of Biologically Active Material from <i>Escherichia coli</i> ," <i>Methods in Enzymology</i> 162:653-68 (1988)
RLi	C17	Funaro, Ana et al. "Human CD38 is associated to distinct molecules which mediate transmembrane signaling in different lineages," <i>Eur. J. Immunol.</i> 23:2407-11 (1993)
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RL ₁	D1	Gallego, Carme et al. "Myristoylation of the G _{α12} polypeptide, a G protein α subunit, is required for its signaling and transformation functions," <i>Proc. Natl. Acad. Sci. USA</i> 89:9695-99 (1992)
	D2	Garritsen, Anja et al. "The N-Terminal coiled-coil domain of β is essential for γ association: A Model for G-Protein βγ subunit interaction," <i>Proc. Natl. Acad. Sci. USA</i> 90:7706-10 (1993)
	D3	Gerard, Norma P. and Gerard, Craig "Construction and Expression of a Novel Recombinant Anaphylatoxin, C5a-N19, a Probe for the Human C5a Receptor," <i>Biochemistry</i> 29(39):9274-81 (1990)
	D4	Gordon, J. "B-cell signaling via the C-type lectins CD23 and CD72," <i>Immunology Today</i> 15(9):411-17 (1994)
	D5	Graf, Rolf et al. "A Truncated Recombinant α Subunit of G ₁₃ with a Reduced Affinity for βγ Dimers and Altered Guanosine 5'-3-O-(Thio)triphosphate Binding," <i>J. of Biol. Chem.</i> 267(34):24307-14 (1992)
	D6	Gros, Philippe et al. "Mammalian Multidrug Resistance Gene: Complete cDNA Sequence Indicates Strong Homology to Bacterial Transport Proteins," <i>Cell</i> 47:371-80 (1986)
	D7	Gyuris, Jenő et al. "Cdi1, A Human G1 and S Phase Protein Phosphatase That Associates with Cdk2," <i>Cell</i> 75:791-803 (1993)
	D8	Hagen, David C. et al. "Evidence the yeast STE3 gene encodes a receptor for the peptide pheromone a factor: Gene sequence and implications for the structure of the presumed receptor," <i>Proc. Natl. Acad. Sci. USA</i> 83:1418-22 (1986)
	D9	Hall, Marcia et al. "Evidence for different modes of action of cyclin-dependent kinase inhibitors: p15 and p16 bind to kinases, p21 and p27 bind to cyclins," <i>Oncogene</i> 11:1581-88 (1995)
	D10	Harbury, Pehr B. et al. "A Switch Between Two-, Three- and Four-Stranded Coiled Coils in GCN4 Leucine Zipper Mutants," <i>Science</i> 262:1401-07 (1993)
	D11	Hartwell, Leland H. "Mutants of <i>Saccharomyces cerevisiae</i> Unresponsive to Cell Division Control by Polypeptide Mating Hormone," <i>J. Cell Biol.</i> 85:811-22 (1980)
	D12	Hasson, M.S. et al. "Mutational Activation of the STE5 Gene Product Bypasses the Requirement for G Protein β and γ Subunits in the Yeast Pheromone Response Pathway," <i>Molecular and Cellular Biology</i> 14(2):1054-1065 (1994)
RL ₁	D13	He, Bin et al. "RAM2, an essential gene of yeast, and RAM1 encode the two polypeptide components of the farnesyltransferase that prenylates a-actor and Ras proteins," <i>Proc. Natl. Acad. Sci. USA</i> 88:11373-77 (1991)
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Sheet 5 of 11

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		FILING DATE December 1, 2003	GROUP 1646

U.S. PATENT DOCUMENTS

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RLi	E1	Hiltunen, J. Kalervo et al. "Peroxisomal Multifunctional β -Oxidation Protein of <i>Saccharomyces cerevisiae</i> ," <i>J. of Biol. Chem.</i> 267(10):6646-6653 (1992)
	E2	Hrycyna, Christine A. et al. "The <i>Saccharomyces cerevisiae</i> STE14 gene encodes a methyltransferase that mediates C-terminal methylation of a-factor and RAS Proteins," <i>The EMBO J.</i> 10(1):1699-1709 (1991)
	E3	Huang, Chi-Ying F. et al. "Ultrasensitivity in the mitogen-activated protein kinase cascade," <i>Proc. Natl. Acad. Sci. USA</i> 93:10078-10083 (1996)
	E4	Hughes, David A. et al. "Complementation of <i>byr1</i> in fission yeast by mammalian MAP kinase kinase requires coexpression of Raf kinase," <i>Nature</i> 364:349-52 (1993)
	E5	Imamoto, Akira et al. "Genetics of signal transduction: tales from the mouse," <i>Curr. Opin. Gen. & Dev.</i> 4:40-46 (1994)
	E6	Inouye, Carla et al. "Ste5 RING-H2 Domain: Role in Ste4-Promoted Oligomerization for Yeast Pheromone Signaling," <i>Science</i> 278:103-106 (1997)
	E7	Jabbar, M. Abdul et al. "Influenza Viral (A/WSN/33) hemagglutinin is expressed and glycosylated in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 82:2019-23 (1985)
	E8	Jakobs, K. H. et al. "Dual regulation of adenylate cyclase. A signal transduction mechanism of membrane receptors," <i>Basic Res. Cardiol.</i> 81:1-9 (1986)
	E9	Journot, Laurent et al. "Amino Acids 367-376 of the G _i α subunit induce membrane association when fused to soluble amino-terminal deleted G _{i1} a subunit," <i>Proc. Natl. Acad. Sci. USA</i> 88:10054-58 (1991)
	E10	Julius, David et al. "Glycosylation and Processing of Prepro- α -Factor through the Yeast Secretory Pathway," <i>Cell</i> 36:309-18 (1984)
	E11	Julius, David et al. "Isolation of the Putative Structural Gene for the Lysine-Arginine-Cleaving Endopeptidase Required for Processing of Yeast Prepro- α -factor," <i>Cell</i> 37:1075-89 (1984)
	E12	Julius, David et al. "Yeast α Factor is Processed from a Larger Precursor Polypeptide: The Essential Role of a Membrane-Bound Dipeptidyl Aminopeptidase," <i>Cell</i> 32:839-52 (1983)
Y	E13	Kaiser, Chris A. et al. "Many Random Sequences Functionally Replace the Secretion Signal Sequence of Yeast Invertase," <i>Science</i> 235:312-17 (1987)
RLi	E14	Kang, Yoon-Se et al. "Effects of expression of mammalian G α and hybrid mammalian-yeast G α proteins on the yeast pheromone response signal transduction pathway," <i>Molecular and Cellular Biology</i> 10(6):2582-90 (1990)
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			FILING DATE December 1, 2003	GROUP 1646

U.S. PATENT DOCUMENTS

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RLi	F1	King, Klim et al. "Control of Yeast Mating Signal Transduction by a Mammalian β_2 -Adrenergic Receptor and $G_s \alpha$ Subunit," <i>Science</i> 250:121-23 (1990)
	F2	Kingsman, S.M. et al. "The production of mammalian protein in <i>Saccharomyces cerevisiae</i> ," <i>Tibtech</i> 5:53-57 (1987)
	F3	Koff, Andrew et al. "Human Cyclin E, a New Cyclin That Interacts with Two Members of the CDC2 Gene Family," <i>Cell</i> 66:1217-28 (1991)
	F4	Kosugi, Shinji et al. "Characterization of heterogeneous mutations causing constitutive activation of the luteinizing hormone receptor in familial male precocious puberty," <i>Human Molecular Genetics</i> 4(2):183-88 (1995)
	F5	Kramer, R. A. et al. "HTLV-III gag Protein Is Processed in Yeast Cells by the Virus pol-Protease," <i>Science</i> 231:1580-85 (1986)
	F6	Kuchler, Karl and Thorner, Jeremy "Functional expression of human <i>mdr1</i> in the yeast <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 89:2302-06 (1992)
	F7	Kuchler, Karl et al. "Saccharomyces cerevisiae STE6 gene product: a novel pathway for protein export in eukaryotic cells," <i>The EMBO J.</i> 8(13):3973-84 (1989)
	F8	Kurjan, Janet "α-Factor Structural Gene Mutations in <i>Saccharomyces cerevisiae</i> : Effects on α-Factor Production and Mating," <i>Molecular and Cellular Biol.</i> 5(4):787-96 (1985)
	F9	Kurjan, Janet and Herskowitz "Structure of a Yeast Pheromone Gene (<i>MFα</i>): A Putative α-Factor Precursor Contains Four Random Copies of Mature α-Factor," <i>Cell</i> 30:933-43 (1982)
	F10	Lambright, David G. et al. "Structural determinants for activation of the α-subunit of a heterotrimeric G protein," <i>Nature</i> 369:621-28 (1994)
	F11	Leberer, Ekkehard et al. "Dominant-negative mutants of a yeast G-protein β subunit identify two functional regions involved in pheromone signaling," <i>The EMBO J.</i> 11(13):4805-13 (1992)
	F12	Lee, Ethan et al. "The G22A Mutant of G_{sa} Highlights the Requirement for Dissociation of G Protein Subunits," <i>J. Biol. Chem.</i> 267(2):1212-18 (1992)
	F13	Lemire, Bernard D. et al. "The Mitochondrial Targeting Function of Randomly Generated Peptide Sequences Correlates with Predicted Helical Amphiphilicity," <i>J. Biol. Chem.</i> 264(34):20206-12 (1989)
	F14	Lew, Daniel J. et al. "Isolation of Three Novel Human Cyclins by Rescue of G1 Cyclin (Cln) Function in Yeast," <i>Cell</i> 66:1197-1206 (1991)
RLi	F15	Linder, Maurine E. and Gilman, Alfred G. "G Proteins," <i>Scientific American</i> 267(1):56-65 (1992)

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Sheet 7 of 11

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RLi	G1	Linder, Maurine E. et al. "Lipid Modifications of G Protein Subunits: Myristoylation of G _{oα} Increases its Affinity for β _y ," <i>J. Biol. Chem.</i> 266(7):4654-59 (1991)
	G2	Lupas, Andrei N. et al. "Do G protein subunits associate via a three-stranded coiled coil?" <i>FEBS</i> 314(2):105-08 (1992)
	G3	Mackay, Vivian and Manney, Thomas R. "Mutations Affecting Sexual Conjugation and Related Processes in <i>Saccharomyces cerevisiae</i> . II Genetic Analysis of Nonmating Mutants," <i>Genetics</i> 76:273-88 (1974)
	G4	Marengere, Luc E.M. and Pawson, Tony "Structure and function of SH2 domains," <i>J. Cell Science Suppl.</i> 18:97-104 (1994)
	G5	Markby, David W. et al. "Separate GTP Binding and GTPase Activating Domains of a Gα Subunit," <i>Science</i> 262:1895-1901 (1993)
	G6	Michaelis, Susan and Herskowitz, Ira "The α-Factor Pheromone of <i>Saccharomyces cerevisiae</i> is Essential for Mating," <i>Molecular and Cellular Biol.</i> 8(3):1309-18 (1988)
	G7	Milano, C.A. et al. "Enhanced Myocardial Function in Transgenic Mice Overexpressing the β ₂ -Adrenergic Receptor," <i>Science</i> 264:582-86 (1994)
	G8	Milburn, Michael V. et al. "Molecular Switch for Signal Transduction: Structural Differences Between Active and Inactive Forms of Protooncogenic ras Proteins," <i>Science</i> 247:939-45 (1990)
	G9	Mumby, Susanne M. et al. "G-Protein α-subunit expression, myristoylation, and membrane association in COS cells," <i>Proc. Natl. Acad. Sci. USA</i> 87:728-32 (1990)
	G10	Murphy, A.J.M. et al. "Autocrine Stimulation of Yeast through Human G-Coupled Receptors," <i>J. Cell Biochem.</i> 18B:224 (1994)
	G11	Nakafuku, Masato et al. "Occurrence in <i>Saccharomyces cerevisiae</i> of a gene homologous to the cDNA coding for the α-subunit of mammalian G proteins," <i>Proc. Natl. Acad. Sci. USA</i> 84:2140-44 (1987)
	G12	Nakayama, N. et al. "Common signal transduction system shared by STE2 and STE3 in haploid cells of <i>Saccharomyces cerevisiae</i> : autocrine cell-cycle arrest results from forced expression of STE2," <i>The EMBO J.</i> 6(1):249-54 (1987)
	G13	Neer, Eva J. et al. "The Amino Terminus of a G Protein α Subunits Is Required for Interaction with β _y ," <i>J. Biol. Chem.</i> 263(18):8996-9000 (1988)
RLi	G14	Noel, Joseph P. et al. "The 2.2 Å crystal structure of transducin-α complexed with GTP-γ-S," <i>Nature</i> 366:654-63 (1993)

Examiner <div style="text-align: center; font-family: cursive;">Rushiang L.</div>	Date Considered <div style="text-align: center;">2/17/2006</div>
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APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO 50370-60409CON	SERIAL NO. 10729,576 Not Assigned
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Ostanin. Kirill	
		FILING DATE December 1. 2003	GROUP 1646


U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

RLi	H1	Noelle, Randolph J. et al. "CD40 and its ligand, an essential ligand-receptor pair for thymus-dependent B-cell activation," <i>Immunol. Today</i> 13(11):431-33 (1992)
	H2	Nomoto, Satoshi et al. "Regulation of the yeast pheromone response pathway by G protein subunits," <i>The EMBO J.</i> 9(3):691-696 (1990)
	H3	Nye, Jeffrey S. and Kopan, Raphael "Vertebrate ligands for Notch," <i>Current Biology</i> 5(9):966-69 (1995)
	H4	Oeda, Kenji et al. "Expression of Rat Liver Cytochrome P-450MC cDNA in <i>Saccharomyces cerevisiae</i> ," <i>DNA</i> 4(3):203-10 (1985)
	H5	Ogden, Jill E. et al. "Efficient Expression of the <i>Saccharomyces cerevisiae</i> PGK Gene Depends on an Upstream Activation Sequence but Does Not Require TATA Sequences," <i>Molecular and Cellular Biol.</i> 6(12):4335-43 (1986)
	H6	Pronin, Alexey N. and Gautam, Narasimhan "Interaction between G-Protein β and γ subunit types is selective," <i>Proc. Natl. Acad. Sci. USA</i> 89:6220-24 (1992)
	H7	Ramer, Sandra W. and Davis, Ronald W. "A dominant truncation allele identifies a gene, <i>STE20</i> , that encodes a putative protein kinase necessary for mating in <i>Saccharomyces cerevisiae</i> ," <i>Proc. Natl. Acad. Sci. USA</i> 90:452-456 (1993)
	H8	Ranade, Koustubh et al. "Mutations associated with familial melanoma impair p16 ^{INK4} function," <i>Nature Genetics</i> 10:114-16 (1995)
	H9	Rarick, Helen M. et al. "A Site on Rod G Protein α Subunit That Mediates Effector Activation," <i>Science</i> 256:1031-33 (1992)
	H10	Raymond, Martine et al. "Functional Complementation of Yeast <i>ste6</i> by a Mammalian Multidrug Resistance <i>mdr</i> Gene," <i>Science</i> 256:232-34 (1992)
	H11	Reed, Randall R. "G Protein Diversity and the Regulation of Signaling Pathways," <i>The New Biologist</i> 2(11):957-60 (1990)
	H12	Schafer, William R. et al. "Enzymatic Coupling of Cholesterol Intermediates to a Mating Pheromone Precursor and to the Ras Protein," <i>Science</i> 249:1133-39 (1990)
	H13	Schafer, William R. et al. "Genetic and Pharmacological Suppression of Oncogenic Mutations in <i>RAS</i> Genes of Yeast and Humans," <i>Science</i> 245:379-85 (1989)
	H14	Schärer, E. and Iggo, R. "Mammalian p53 can function as a transcription factor in yeast," <i>Nucleic Acids Research</i> 20(7):1539-45 (1992)
RLi	H15	Scott, Jamie K. and Smith, George P. "Searching for Peptide Ligands with an Epitope Library," <i>Science</i> 249:386-90 (1990)
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		2/17/2006
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Sheet 9 of 11

APPLICANT FACSIMILE OF FORM PTO-1449 REV 7-00	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO 50370-60409CON APPLICANT Ostanin, Kirill FILING DATE December 1, 2003
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		SERIAL NO. 101729, 576 N-t Assigned GROUP 1646

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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RLi	11	Sikorski, Robert S. and Hieter, Philip "A System of Shuttle Vectors and Yeast Host Strains Designed for Efficient Manipulation of DNA in <i>Saccharomyces cerevisiae</i> ," <i>Genetics</i> 122:19-27 (1989)
	12	Singh, Arjun et al. "Saccharomyces cerevisiae contains two discrete genes coding for the α -factor pheromone," <i>Nucleic Acids Research</i> 11(12):4049-63 (1983)
	13	Slepek, Vladen Z. et al. "Mutational Analysis of G Protein α Subunit G_{α} Expressed in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 268(2):1414-23 (1993)
	14	Spiegel, Allen M. et al. "The G Protein connection: molecular basis of membrane association," <i>TIBS</i> 16:338-41 (1991)
	15	Steube, Klaus et al. " α -Factor-leader-directed secretion of recombinant human-insulin-like growth factor I from <i>Saccharomyces cerevisiae</i> ," <i>Eur. J. Biochem.</i> 198:651-57 (1991)
	16	Stevenson, Brian J. et al. "Constitutive mutants of the Protein Kinase STE11 Activate the Yeast Pheromone Response Pathway in the Absence of the G Protein," <i>Genes & Development</i> 6:1293-1304 (1992)
	17	Strubin, Michel and Struhl, Kevin "Yeast and Human TFIID with Altered DNA-Binding Specificity of TATA Elements," <i>Cell</i> 68:721-30 (1992)
	18	Struhl, Kevin "Constitutive and Inducible <i>Saccharomyces cerevisiae</i> Promoters: Evidence for Two Distinct Molecular Mechanisms," <i>Molecular and Cellular Biol.</i> 6(11):3847-53 (1986)
	19	Struhl, Kevin et al. "High-frequency transformation of yeast: Autonomous replication of hybrid DNA molecules," <i>Proc. Natl. Acad. Sci. USA</i> 76(3):1035-39 (1979)
	110	Struhl, Kevin and Hill, David E. "Two Related Regulatory Sequences are Required for Maximal Induction of <i>Saccharomyces cerevisiae</i> <i>his3</i> Transcription," <i>Molecular and Cellular Biol.</i> 7(1):104-10 (1987)
	111	Sullivan, Kathleen A. et al., "Identification of receptor contact site involved in receptor-G protein coupling," <i>Nature</i> 330:758-60 (1987)
	112	Suzuki, Takeshi et al. "HTLV-1 Tax protein interacts with cyclin-dependent kinase inhibitor p16 ^{INK4A} and counteracts its inhibitory activity towards CDK4," <i>The EMBO J.</i> 15(7):1607-14 (1996)
	113	Teem, John L. et al. "Identification of Revertants for the Cystic Fibrosis $\Delta F508$ Mutation Using STE6-CFTR Chimeras in Yeast," <i>Cell</i> 73:335-346 (1993)
RLi	114	Thomas, Thomas C. et al. "G-protein α_0 subunit: Mutation of conserved cysteines identifies a subunit contact surface and alters GDP affinity," <i>Proc. Natl. Acad. Sci. USA</i> 90:10295-99 (1993)

Examiner <div style="text-align: center; font-family: cursive;">Rudolf L.</div>	Date Considered <div style="text-align: center;">2/17/2006</div>
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LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Ostanin, Kirill	
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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

RLi	J1	Tyson, John J. et al. "Chemical kinetic theory: understanding cell-cycle regulation," <i>Trends In Biochem. Sci.</i> 21:89-96 (1996)
	J2	Walker, John E. et al. "Distantly related sequences in the α - and β -subunits of ATP synthase, myosin, kinases and other ATP-requiring enzymes and a common nucleotide binding fold," <i>The EMBO J.</i> 1(8):945-51 (1982)
	J3	Waters, M. Gerard et al. "Prepro- α -factor Has a Cleavable Signal Sequence," <i>J. Biol. Chem.</i> 263(13):6209-14 (1988)
	J4	Whiteway, Malcolm S. et al. "Association of the Yeast Pheromone Response G Protein $\beta\gamma$ Subunits with the MAP Kinase Scaffold Ste5p," <i>Science</i> 269:1572-1575 (1995)
	J5	Whiteway, Malcolm et al. "Dominant negative selection of heterologous genes: Isolation of <i>Candida albicans</i> genes that interfere with <i>Saccharomyces cerevisiae</i> mating factor-induced cell cycle arrest," <i>Proc. Natl. Acad. Sci. USA</i> 89:9410-14 (1992)
	J6	Whiteway, Malcolm et al. "Genetic Identification of Residues Involved in Association of α and β G-Protein Subunits," <i>Molecular and Cellular Biol.</i> 14(5):3223-3229 (1994)
	J7	Whiteway, Malcolm et al. "The STE4 and STE18 Genes of Yeast Encode Potential β and γ Subunits of the Mating Factor Receptor-Coupled G Protein," <i>Cell</i> 56:467-477 (1989)
	J8	Wolowiec, D. et al. "Expression of cell cycle regulatory proteins in chronic lymphocytic leukemias. Comparison with non-Hodgkin's lymphomas and non-neoplastic lymphoid tissue," <i>Leukemia</i> 9:1382-88 (1995)
	J9	Xiong, Yue et al. "Alteration of Cell Cycle Kinase Complexes in Human Papillomavirus E6- and E7- Expressing Fibroblasts Precedes Neoplastic Transformation," <i>J. Virology</i> 70(2):999-1008 (1996)
	J10	Xiong, Yue et al. "Human D-Type Cyclin," <i>Cell</i> 65:691-99 (1991)
	J11	Zervos, Antonis S. et al. "Mxi1, a Protein that Specifically Interacts with Max to Bind Myc-Max Recognition Sites," <i>Cell</i> 72:223-32 (1993)
RLi	J12	Zhan, Xiao-Li et al. "Differential regulation of FUS3 MAP kinase by tyrosine-specific phosphatases PTP2/PTP3 and dual-specificity phosphatase MSG5 in <i>Saccharomyces cerevisiae</i> ," <i>Genes & Development</i> 11:1690-1702 (1997)

Examiner Rubing L.	Date Considered 2/17/2008
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RLi	K1	5,482,835	01/96	King et al.	435	6	
↓	K2	5,739,029	04/98	King et al.	435	254.21	
↓	K3	5,789,184	08/98	Fowlkes et al.	435	7.31	
RLi	K4	6,100,042	08/00	Fowlkes et al.	435	7.1	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
RLi	KS	WO 99/18211	04/99	PCT				

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